Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/04/2022 11:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123333	-2	3.33	123247	3.30
Blue	F	SSC	125000	123597	-2	3.84	124161	3.78
Blue	E	FITC	14284	13724	-4	3.90	383	13.83
Blue	D	PE	23919	23136	-4	3.68	549	11.20
Blue	B	PerCP-Cy5-5	31332	30515	-3	4.40	870	15.85
Blue	A	PE-Cy7	22272	22010	-2	6.18	458	31.51
Red	C	APC	47768	47158	-2	2.74	1622	11.93
Red	A	APC-Cy7	25313	24630	-3	3.20	697	12.84
Violet	B	V450	7085	6799	-5	4.36	473	11.88
Violet	A	V500	26969	25897	-4	3.89	888	8.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23474	4.67	587	-2	N/A	N/A	Pass
Blue	F	SSC	55052	3.51	525	4	N/A	N/A	Pass
Blue	E	FITC	57	55.60	496	-5	0.0444	83	Pass
Blue	D	PE	105	40.07	493	-4	0.3771	279	Pass
Blue	B	PerCP-Cy5-5	136	45.26	584	-4	0.0185	124	Pass
Blue	A	PE-Cy7	75	83.92	632	-3	0.0214	7	Pass
Red	C	APC	337	27.05	582	2	0.0257	176	Pass
Red	A	APC-Cy7	129	36.71	556	1	0.0059	1457	Pass
Violet	B	V450	79	47.27	448	-15	0.0500	1872	Pass
Violet	A	V500	104	32.58	459	-15	0.0241	997	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.36	-31.30	1.15
Blue	20.34	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	13.75	13.60 - 20.40	N/A	N/A	29.73	29.95	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9988

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments